


Changed Disposal Practices

- Total solution for all classes of low-level waste.
- Long-term ownership of landfills by government.
- Different landfills and handling for different types of waste – all based on our performance assessment
 - Low activity as exempt in robust Subtitle C landfill
 - Class A, B & C in robust landfills
 - Greater than Class C disposal in “near surface” landfill; Texas rulemaking has started

2





Design Changes

- First compact disposal facility for Class A, B and C LLW in over 30 years
 - Added 9 million cubic feet of disposal capacity for nuclear power plants and other commercial generators
- First federal offsite disposal facility for Class A, B and C LLW and MLLW in over 30 years
 - Added 26 million cubic feet of disposal capacity for DOE
- First direct disposal option for Class B/C LLW since 2008
- Depth and robust liner design are more protective than previous industry standards
- Transfer of ownership to Texas or DOE provides greater long term protection than previous industry standards

4



Clive Facility (Previous Industry Standard for Class A)



5



Barnwell Facility (Previous Industry Standard for Class B/C)



6



Compact Waste Facility

WCS
ANDREWS, TEXAS

Low Activity Waste (Exempt)

- Economical disposal of very low Class A waste
 - Exemption for up to 10% of the Class A limit and disposal in the WCS hazardous waste landfill
- Ideal for disposal of nuclear power plant decommissioning waste
 - Expect that 80% of the D&D waste will qualify
- Based on same performance assessment used for licensing the CWF and FWF LLW landfills
 - Same site characteristics but without the concrete
 - Cumulative impacts evaluated annually


8

WCS
ANDREWS, TEXAS

GTCC Rulemaking

- WCS submitted a Petition for Rulemaking TCEQ to address disposal of GTCC and GTCC-Like LLW.
- Removes regulatory impediments to allow Texas to approve the disposal of GTCC and GTCC-like LLW.
- Numerous stakeholders and interested parties will be involved in the rulemaking.

9



Benefits of Rulemaking

- Provides a disposal pathway for stranded disused sealed sources collected as part of the Offsite Source Recovery Project
- Provides a pathway for DOE GTCC-like LLW
- Provides a pathway, after NRC rulemaking, for commercial GTCC LLW stranded for over three decades at commercial nuclear power plants
- WCS Federal Facility depth is equivalent to an intermediate waste disposal facility

10



Questions?

www.WCSTEXAS.com

11
